

AMENDED CLAIM SET:

1. – 29. (cancelled).

30. (currently amended) A greywater recycling system, for the economical flushing of toilets, ~~consisting of~~ comprising

one or more tanks,

a bath tub,

a washing machine provided with a primary water pump,

a water supply pipe,

a greywater pipe,

a flushing conduit,

a flushing valve, and

in ~~the tank~~ at least one of the one or more tanks a floating ball, wherein the floating ball is fixed by means of a pivoted support arm to a side wall of the tank, allowing it to swing in vertical plane, ~~there is~~ a greywater column is located above the floating ball, and ~~there is~~ an actuating shaft is fixed onto the floating ball, wherein the actuating shaft passing through the greywater column above the floating ball is connected to a clean water fill valve of the water supply pipe.

31. (previously presented) The greywater recycling system according to claim 30, wherein the washing machine being connected to the bath tub with a greywater suction pipe is provided with a secondary water pump, which secondary water pump is connected to the tank by means of a secondary greywater drain pipe.

32. (previously presented) The greywater recycling system according to claim 31, wherein there is an in-line water sensor mounted before the secondary water pump enabling the

secondary water pump to start automatically, and a non-return valve is mounted in the secondary greywater drain pipe.

33. (previously presented) The greywater recycling system according to claim 30, wherein there is a stopping member fixed to the wall of the tank, for determining the uppermost position of the floating ball closing the clean water fill valve as well as the ratio of greywater and clean supply water.

34. (previously presented) The greywater recycling system according to claim 30, wherein the primary water pump is connected to the tank by means of the primary greywater drain pipe, which primary greywater drain pipe is provided with a non-return valve.

35. (currently amended) The greywater system according to claim 30, wherein [[the]] a greywater tube is connected through [[the]] a greywater valve to [[the]] a primary greywater drain pipe, and optionally to [[the]] a secondary greywater drain pipe.

36. (currently amended) The greywater recycling system according to claim 30, wherein on [[the]] an outlet of the greywater pipe there are one or more filtering units suitably mounted within the tank.

37. (previously presented) The greywater recycling system according to claim 30, wherein the tank has a compensating air orifice for the compensation of atmospheric pressure.

38. (previously presented) The greywater recycling system according to claim 30, wherein the tank is provided with an overflow tube, the diameter of which is greater than or equal to that of the greywater pipe.

39. (currently amended) ~~[[The]]~~ A greywater recycling system, for the economical flushing of toilets, comprising

one or more tanks,

a bath tub, [[and]]

a washing machine provided with a primary water pump,

a water supply pipe,

a greywater pipe,

a flushing conduit,

a flushing valve, and

in at least one of the one or more tanks a floating ball, wherein the floating ball is fixed by means of a pivoted support arm to a side wall of the tank, allowing it to swing in vertical plane, a greywater column is located above the floating ball, and an actuating shaft is fixed onto the floating ball, wherein the actuating shaft passing through the greywater column above the floating ball is connected to a clean water fill valve of the water supply pipe in accordance with claim 30,

wherein more than one tank is connected to the system.

40. (currently amended) ~~[[The]]~~ A greywater recycling system, for the economical flushing of toilets, comprising

one or more tanks,

a bath tub, [[and]]

a washing machine provided with a primary water pump,

a water supply pipe,

a greywater pipe,

a flushing conduit,

a flushing valve, and

in at least one of the one or more tanks a floating ball, wherein the floating ball is fixed by means of a pivoted support arm to a side wall of the tank, allowing it to swing in vertical plane, a greywater column is located above the floating ball, and an actuating shaft is fixed onto

the floating ball, wherein the actuating shaft passing through the greywater column above the floating ball is connected to a clean water fill valve of the water supply pipe in accordance with claim 30,

wherein the washing machine is equipped with one or two water pumps having an output of more than 100W and having a pressure output of more than 0.4 bar, connected to a tank by said greywater pipe.

41. (currently amended) ~~[[The]]~~ A greywater recycling system, for the economical flushing of toilets, comprising

one or more tanks,

a bath tub, [[and]]

a washing machine provided with a primary water pump,

a water supply pipe,

a greywater pipe, a flushing conduit,

a flushing valve, and

in at least one of the one or more tanks a floating ball, wherein the floating ball is fixed by means of a pivoted support arm to a side wall of the tank, allowing it to swing in vertical plane, a greywater column is located above the floating ball, and an actuating shaft is fixed onto the floating ball, wherein the actuating shaft passing through the greywater column above the floating ball is connected to a clean water fill valve of the water supply pipe in accordance with claim 30,

wherein the washing machine is equipped with one or two water pumps having the output of 100 W to 400 W and having a pressure output of 0.4 to 1 bar, connected to the bath tub with a greywater suction pipe and also connected to a WC flushing tank by means of a greywater drain pipe.